

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: Estimate for Maintenance of Crematoriums & Burial Grounds in Ward No. 11 (Kuvempunagara) in Vidyaranyapura Sub Division.

Sl.No	Description	Unit	Estimate Cost:					500000.00	
			No.	L	B	D	Qty	Rate	Amount
1	KSRB 10-3 : Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement slurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm	Sqm							
			1	4.50	4.00		18.00		
	Basic Rate	904.00					18.00	976.32	17574.00
	Area Weightage @ 8%	72.32							
	Total	976.32							
2	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3 , to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 114, Item No. 15.21 of PWD SR 2016-17	Sqm							
	Hall		4	1.20	1.50		7.20		
			2	7.40	3.36		49.73		
	verandah		1	15.50	2.00		31.00		
	Basic Rate	193.00					87.93	235.44	20702.00
	Add for Lime Rendering	25.00							
		218.00							
	Area Weightage @ 8%	17.44							
	Total	235.44							
3	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 114 / Item No. 15.16, PWD SR 2016-17	Sqm							
			8	1.50		2.40	28.80		

N	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			8	1.20		2.40	23.04		
			4	7.40		0.90	26.64		
	patch work					L.s	135.00		
							213.48		
	Deduction for Doors		0.5x4	0.75		2.10	3.15		
	Ventilators		0.5x4	0.60		0.45	0.54		
							-3.69		
	Basic Rate	221.00					209.79	238.68	50073.00
	Area Weightage @ 8%	17.68							
	Total	238.68							
4	KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 114 / Item No. 15.17, PWD SR 2016-17	Sqm							
			2	5.80		2.40	27.84		
			2	1.90		2.40	9.12		
							36.96		
	Deduction for Doors		0.5x4	0.75		2.10	3.15		
	Ventilators		0.5x4	0.60		0.45	0.54		
							-3.69		
	Basic Rate	198.00					33.27	213.84	7114.00
	Area Weightage @ 8%	15.84							
	Total	213.84							
5	KSRB 7.3 : Providing and fixing 1mm thick M.S. sheet garage door with frame and diagonal braces of size 40x40x6 mm angle Iron, 3.15mm thick M.S. Gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labour, HOM of machinery complete as per specifications. Double leaf door of size 2.4x2.4m . Specification No. KBS 7.9 / 7.12. Page No. 31 / Item No. 7.3 / PWD SR 2016-17	Sqm							
			4	0.75		2.10	6.30		
			2	0.90		2.10	3.78		
	Basic Rate	2332.00					10.08	2471.92	24917.00
	Area Weightage @ 6%	139.92							
	Total	2471.92							

N	Description	Unit	No.	L	B	D	Qty	Rate	Amount
6	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be thoroughly cleaned free of rust and painted with one coat of anti-corrosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinery complete as per specifications and directions of engineer in charge of the worksurface with trowel and neat cement	Sqm							
	Ventilators Toilet		4	0.60		0.45	1.08		
	window shutters		3	0.90		1.20	3.24		
	Basic Rate	3530.00					4.32	3741.80	16165.00
	Area Weightage @ 6%	211.80							
	Total	3741.80							
7	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. Page No. 117 / Item No. 15.49.1, PWD SR 2016-17	Sqm							
			Qty Vide Item No.12+13				297.72		
			3	6.00		4.80	86.40		
			3	7.40		3.60	79.92		
			1	8.60		3.50	30.10		
			2	6.00		5.00	60.00		
			1	7.80		5.00	39.00		
	Deductions						593.14		
	Doors		3	0.90		2.10	5.67		
	Windows		9	0.90		1.20	9.72		
							-15.39		
	Basic Rate	71.00					577.75	76.68	44302.00
	Area Weightage @ 8%	5.68							
	Total	76.68							

3

N	Description	Unit	No.	L	B	D	Qty	Rate	Amount
8	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. Page No. 117 / Item No. 15.53.2, SR 2016-17.	Sqm							
			Qty Vide Item No.14				33.27		
			1	19.00		3.70	70.30		
			2	5.30		3.70	39.22		
			1	23.20		3.70	85.84		
			2	4.10		3.70	30.34		
			1	9.10		3.70	33.67		
			2	4.00		3.70	29.60		
			1	20.80		3.70	76.96		
			2	5.50		3.70	40.70		
			2	12.70		4.00	101.60		
			2	8.00		4.00	64.00		
	Basic Rate	84.00					605.50	90.72	54931.00
	Area Weightage @ 8%	6.72							
	Total	90.72							
9	KSRB 14.7-2 : Providing and laying red oxide flooring 40 mm thick, with an under layer of 30mm thick M-15 cement concrete , using broken granite metal of 12.5mm nominal size and top layer of 10mm thick plaster with 1:3 cement mortar mixed with red oxide (using 3.5 kg of red oxide per 50 kg of cement) finished with floating coat of neat cement mixed with red oxide (mix of same proportion) , including cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.3 Page No. 102, Item No. 14.9, PWD SR 2016-17	Sqm							
			1	15.50	2.00		31.00		
			1	9.00	2.50		22.50		
			1	20.70	2.50		51.75		
			1	6.50	2.50		16.25		
			1	12.50	2.00		25.00		
			2	7.50	3.50		52.50		
			1	2.80	7.80		21.84		
			1	3.00	5.00		15.00		
	Basic Rate	578.00					235.84	624.24	147221.00
	Area Weightage @ 8%	46.24							
	Total	624.24							
10	KSRB 15-17.6 : Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. (P.No. 118, I.No. 15.60.1 of SR 2016-17).	Sqm							
			3	0.90	2.10	2.25	12.76		
			7	0.90	2.10	2.25	29.77		
			1	0.90	2.10	2.25	4.25		
			1	1.20	2.30	2.25	6.21		
			9	0.90	1.20	2.25	21.87		

N	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			9	0.90	1.20	2.25	21.87		
			3	0.90	1.20	2.25	7.29		
	Basic Rate	84.00	✓				104.02	90.72	9436.00
	Area Weightage @ 8%	6.72	✓						
	Total	90.72	✓						
11	KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles of size 30x30cms 6mm thick. Page No.106, Item No. 14.36.2, PWD SR 2016-17	Sqm							
	Flooring		4	1.20	1.50		7.20		
	Basic Rate	1176.00	✓				7.20	1270.08	9145.00
	Area Weightage @ 8%	94.08	✓						
	Total	1270.08	✓						
12	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 30x60 cms 6mm thick with border of size 30 x 10 cms. Page No.106, Item No. 14.41.2 PWD SR 2016-17	Sqm							
			4	1.20	2.10		10.08		
			4	1.50	2.10		12.60		
	Deduction of Doors		4	0.75	2.10		-6.30		
	Ventilator		4	0.60	0.45		-1.08		
	Basic Rate	1484.00	✓				15.30	1602.72	24522.00
	Area Weightage @ 8%	118.72	✓						
	Total	1602.72	✓						
13	KSRB 11-1 : Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 Page No. 77 / Item No. 12.1 / PWD SR 2016-17	pan							
			3				3	3730.32	11191.00
	Basic Rate	3454.00	✓						
	Area Weightage @ 8%	276.32	✓						
	Total	3730.32	✓						

N	Description	Unit	No.	L	B	D	Qty	Rate	Amount
14	KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 Page No. 80, Item No. 12.23, PWD SR 2016-17	Unit							
		Unit	2				2	4196.88	8394.00
	Basic Rate	3886.00	✓				✓	✓	
	Area Weightage @ 8%	310.88	✓						✓
	Total	4196.88	✓						
15	KSRB13-1.4: Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 32mm dia nominal bore with fittings (medium grade weight 1.65 kg/mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.14 / 13.8 Page No. 90, Item No. 13.4, PWD SR 2016-17	m							
		m	1	10.00			10.00	378.00	3780.00
	Basic Rate	350.00	✓				✓	✓	✓
	Area Weightage @ 8%	28.00	✓						
	Total	378.00	✓						
	Sub Total								449467.00
	KRIDL Charges @ 10%								44947.00
	Labour Cess @ 1%								4495.00
	Miscellaneous and other Charges	L/S							1091.00
								Total	500000.00
Rupees Five Lakh(s) Only									

CERTIFICATE:

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per PWD SR of 2016-17.
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayanyapura Sub Division

Executive Engineer

Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVE APPROVAL

Recorded For Rs. Five lakhs only

Head of A/c. P-3291

Ref. No. 27 Date 6/08/18

AE

EE(BTP)

TECHNICAL SANCTION

Accorded For Rs. Five lakhs only

Head of A/c. P-3291

Div. Ref. No. 37 Date 6/08/18

AE

EE(BTP)